

FIG. 1

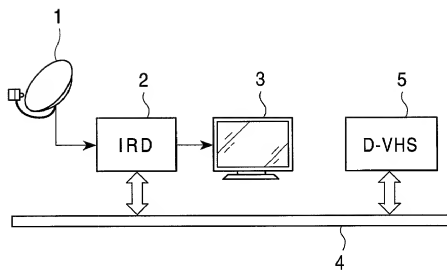


FIG. 2

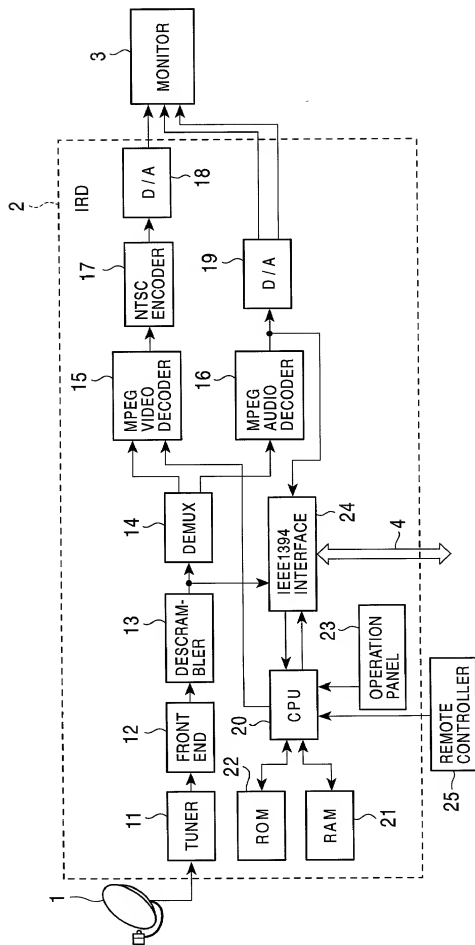


FIG. 3

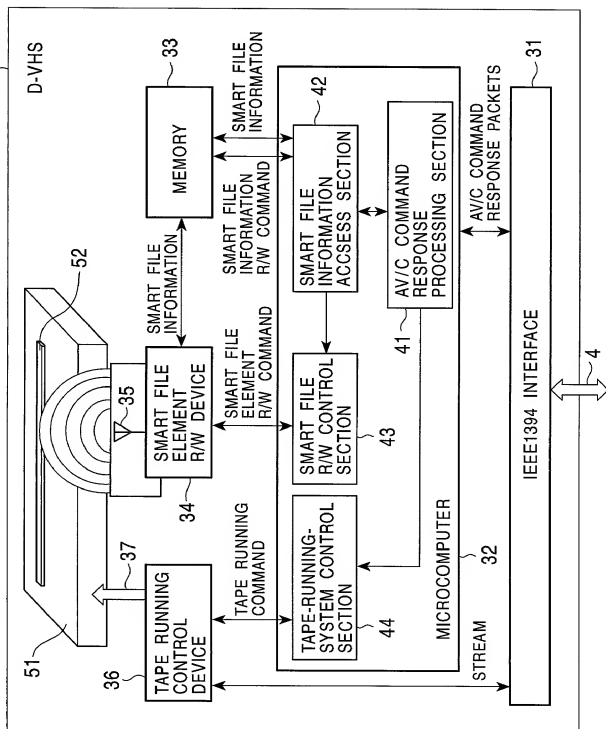


FIG. 4

RELEVANT INFORMATION	IRD	
	SI Table	descriptor
TITLE	EIT	DM name descriptor
PROVIDER INFORMATION	NIT	service list descriptor
PROVIDER NAME	SDT	DM name descriptor
GENRE CODE	EIT	content descriptor

FIG. 5

D-VHS	IRD
NAME DISPLAYED ON SMART FILE	SATELLITE BROADCASTING GENRE
SPECIAL	
MOVIE	FOREIGN MOVIE/JAPANESE MOVIE
NEWS	NEWS/REPORTS

FIG. 6

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	tape						
OPERAND9	tape_information_type(debut_data)						
OPERAND10	tape_information_type_dependent_field						
OPERAND11							
OPERAND12							

FIG. 7

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	tape						
OPERAND9	toc_information_type(debut_data)						
OPERAND10	debut_date						
OPERAND11							
OPERAND12							

FIG. 8

	MSB						LSB
OPCODE	VENDOR DEPENDENT(00 ₁₆)						
OPERAND0	company_id(080046 ₁₆)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	tape						
OPERAND9	tape_information_type(tape_length)						
OPERAND10	tape_information_type_dependent_field						
OPERAND11							

FIG. 9

	MSB						LSB
OPCODE	VENDOR DEPENDENT(00 ₁₆)						
OPERAND0	company_id(080046 ₁₆)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	tape						
OPERAND9	tape_information_type(tape_length)						
OPERAND10	tape_length						
OPERAND11							

FIG. 10

	MSB							LSB
OPCODE	VENDOR DEPENDENT(0016)							
OPERAND0	company_id(08004616)							
OPERAND1								
OPERAND2								
OPERAND3	attributes							
OPERAND4								
OPERAND5								
OPERAND6								
OPERAND7	Smart File Read							
OPERAND8	tape							
OPERAND9	tape_information_type(tape_title)							
OPERAND10	tape_information_type_dependent_field							
⋮								
OPERAND38								

FIG. 11

	MSB							LSB
OPCODE	VENDOR DEPENDENT(0016)							
OPERAND0	company_id(08004616)							
OPERAND1								
OPERAND2								
OPERAND3	attributes							
OPERAND4								
OPERAND5								
OPERAND6								
OPERAND7	Smart File Read							
OPERAND8	tape							
OPERAND9	tape_information_type(tape_title)							
OPERAND10	tape_title							
OPERAND11								
⋮								
OPERAND38								

FIG. 12

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4	attributes						
OPERAND5							
OPERAND6							
OPERAND7							
OPERAND7	Smart File Read						
OPERAND8	tape						
OPERAND9	tape_information_type(max_toc_number)						
OPERAND10	tape_information_type_dependent_field						

FIG. 13

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4	attributes						
OPERAND5							
OPERAND6							
OPERAND7							
OPERAND7	Smart File Read						
OPERAND8	tape						
OPERAND9	tape_information_type(max_toc_number)						
OPERAND10	max_toc_number						

FIG. 14

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	tape						
OPERAND9	tape_information_type(toc_status)						
OPERAND10	tape_information_type_dependent_field						
...							
OPERAND17							

FIG. 15

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	tape						
OPERAND9	tape_information_type(toc_status)						
OPERAND10	toc_status						
OPERAND11							
OPERAND12							
...							
OPERAND38							

FIG. 16

	MSB						LSB
OPCODE	VENDOR DEPENDENT(00 ₁₆)						
OPERAND0	company_id(080046 ₁₆)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4	attributes						
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	tape						
OPERAND9	tape_information_type(continuity)						
OPERAND10	tape_information_type_dependent_field						

FIG. 17

	MSB						LSB
OPCODE	VENDOR DEPENDENT(00 ₁₆)						
OPERAND0	company_id(080046 ₁₆)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4	attributes						
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	tape						
OPERAND9	tape_information_type(continuity)						
OPERAND10	continuity_counter						

FIG. 18

	MSB						LSB
OPCODE	VENDOR DEPENDENT(00 ₁₆)						
OPERAND0	company_id(080046 ₁₆)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4	attributes						
OPERAND5							
OPERAND6							
OPERAND7							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(start_date)						
OPERAND10	toc_information_type_dependent_field						
OPERAND11							
OPERAND12							

FIG. 19

	MSB						LSB
OPCODE	VENDOR DEPENDENT(00 ₁₆)						
OPERAND0	company_id(080046 ₁₆)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4	attributes						
OPERAND5							
OPERAND6							
OPERAND7							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(start_date)						
OPERAND10	start_date						
OPERAND11							
OPERAND12							

FIG. 20

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4	attributes						
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(start_time)						
OPERAND10	toc_information_type_dependent_field						
OPERAND11							

FIG. 21

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(start_time)						
OPERAND10	start_time						
OPERAND11							

FIG. 22

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4	attributes						
OPERAND5							
OPERAND6							
OPERAND7							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(duration)						
OPERAND10	toc_information_type_dependent_field						
OPERAND11							
OPERAND12							

FIG. 23

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4	attributes						
OPERAND5							
OPERAND6							
OPERAND7							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(duration)						
OPERAND10	duration						
OPERAND11							
OPERAND12							

FIG. 24

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(tape_position)						
OPERAND10	toc_information_type_dependent_field						
OPERAND11							
OPERAND12							
OPERAND13							

FIG. 25

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(tape_position)						
OPERAND10	tape_position						
OPERAND11							
OPERAND12							
OPERAND13							

FIG. 26

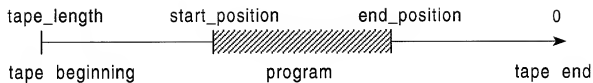


FIG. 27

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4							
OPERAND5	attributes						
OPERAND6							
OPERAND7							
OPERAND8	Smart File Read						
OPERAND9	toc_number						
OPERAND10	toc_information_type(program_title)						
⋮	toc_information_type_dependent_field						
OPERAND38							

FIG. 28

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(program_title)						
OPERAND10	program_title						
OPERAND11							
⋮							
OPERAND38							

FIG. 29

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(program_genre)						
OPERAND10	toc_information_type_dependent_field						

FIG. 30

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4	attributes						
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(program_genre)						
OPERAND10	genre						

FIG. 31

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3							
OPERAND4	attributes						
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(recording_info)						
OPERAND10	toc_information_type_dependent_field						
OPERAND11							

09727519.120100

FIG. 32

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(recording_info)						
OPERAND10	recording_info						
OPERAND11							

FIG. 33

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(provider_name)						
OPERAND10	toc_information_type_dependent_field						
⋮							
OPERAND20							

FIG. 34

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(provider_name)						
OPERAND10	provider_name						
OPERAND11							
...							
OPERAND20							

FIG. 35

	MSB						LSB
OPCODE	VENDOR DEPENDENT(0016)						
OPERAND0	company_id(08004616)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Read						
OPERAND8	toc_number						
OPERAND9	toc_information_type(provider_info)						
OPERAND10	toc_information_type_dependent_field						
OPERAND11							
OPERAND12							

09727919.120100

FIG. 36

	MSB							LSB
OPCODE	VENDOR DEPENDENT(00 ₁₆)							
OPERAND0	company_id(080046 ₁₆)							
OPERAND1								
OPERAND2								
OPERAND3	attributes							
OPERAND4								
OPERAND5								
OPERAND6								
OPERAND7	Smart File Read							
OPERAND8	toc_number							
OPERAND9	toc_information_type(provider_info)							
OPERAND10	provider_info							
OPERAND11								
OPERAND12								

FIG. 37

	MSB							LSB
OPCODE	VENDOR DEPENDENT(00 ₁₆)							
OPERAND0	company_id(080046 ₁₆)							
OPERAND1								
OPERAND2								
OPERAND3	attributes							
OPERAND4								
OPERAND5								
OPERAND6								
OPERAND7	Smart File Search							
OPERAND8	toc_number							

FIG. 38

	MSB						LSB
OPCODE	VENDOR DEPENDENT(001e)						
OPERAND0	company_id(0800461e)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Smart File Search						
OPERAND8	blank						

FIG. 39

	MSB						LSB
OPCODE	VENDOR DEPENDENT(001e)						
OPERAND0	company_id(0800461e)						
OPERAND1							
OPERAND2							
OPERAND3	attributes						
OPERAND4							
OPERAND5							
OPERAND6							
OPERAND7	Stream Read						
OPERAND8	channel number						
OPERAND9	information_type						
OPERAND10	information_type_dependent_field(FF1e)						
:							
:							

FIG. 40

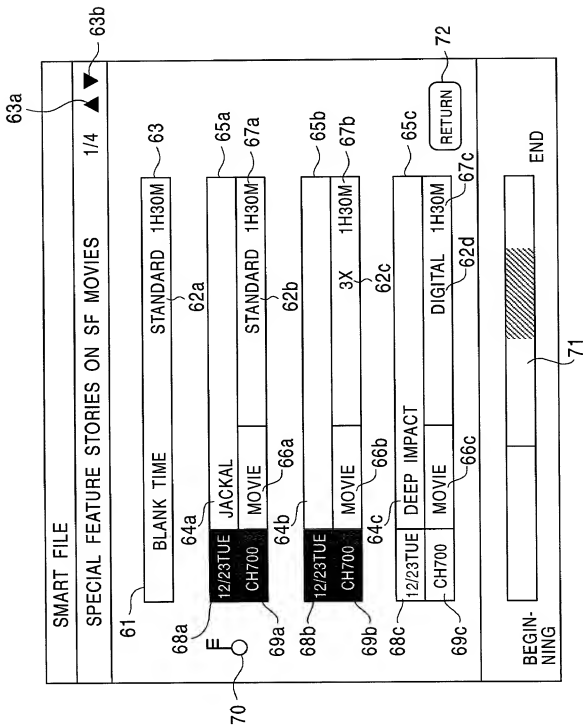


FIG. 41

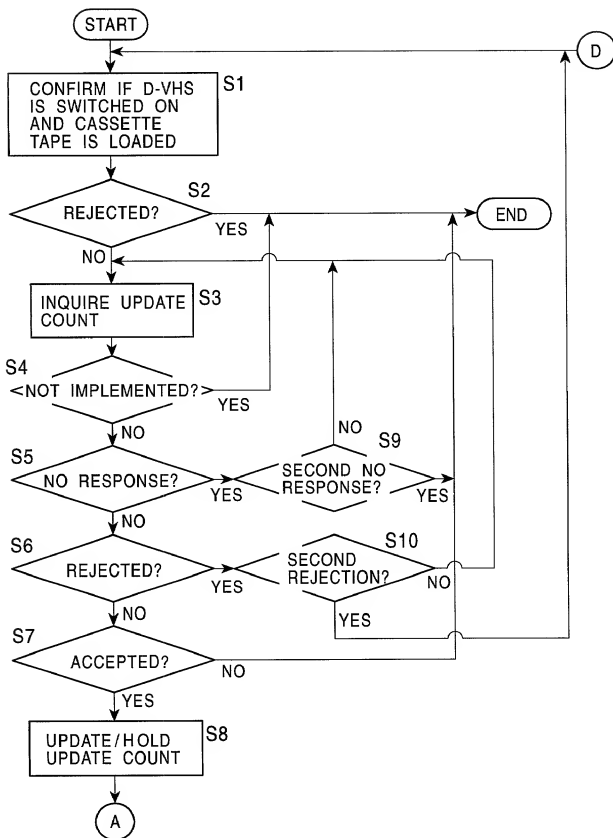
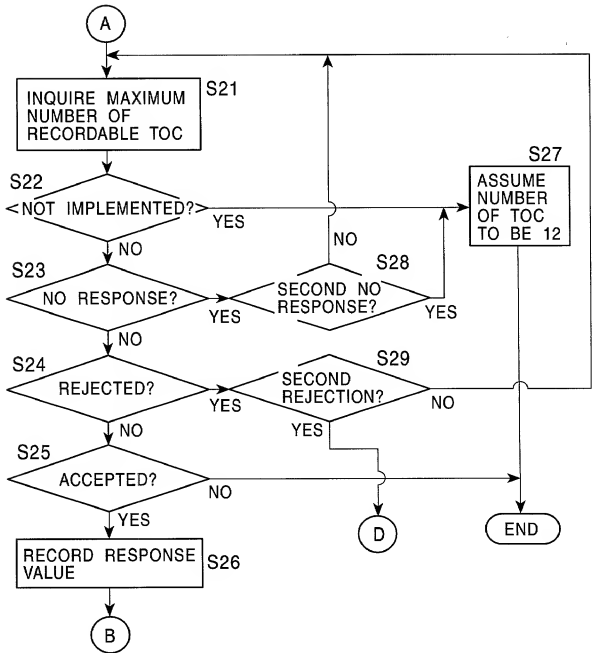
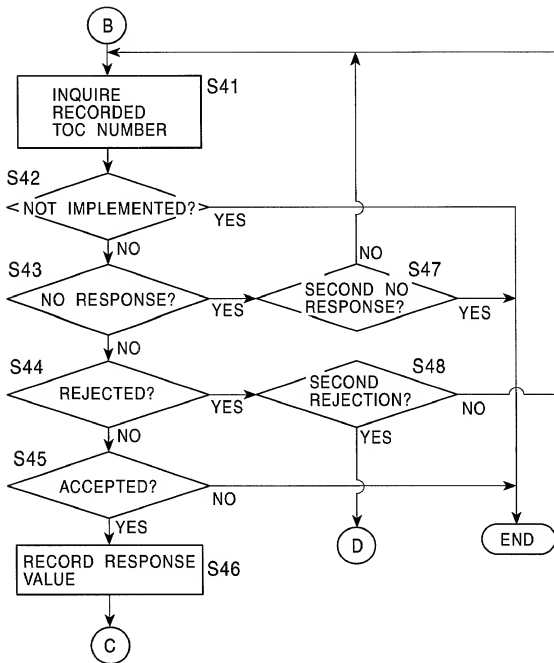


FIG. 42



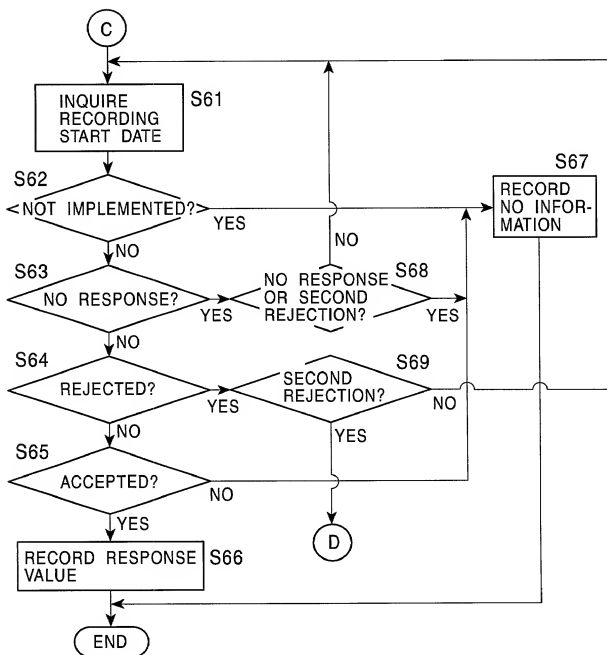
09727919.120300

FIG. 43



09227919.120100

FIG. 44



09722919.120100

FIG. 45

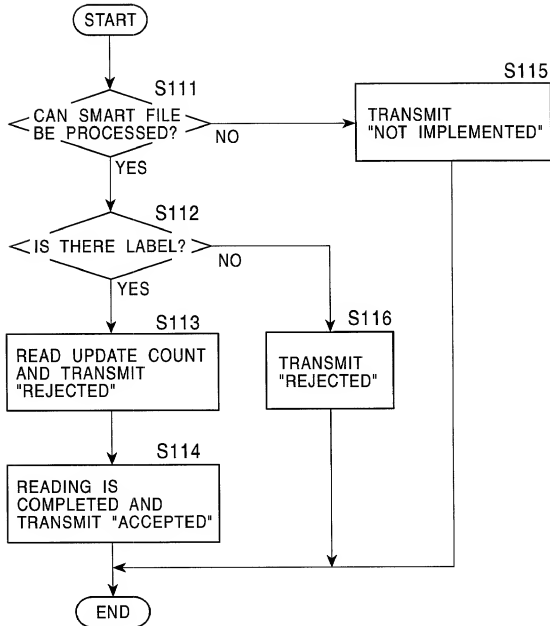
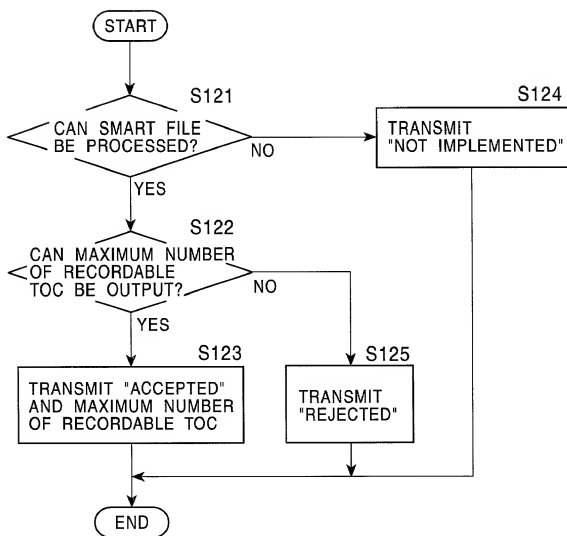
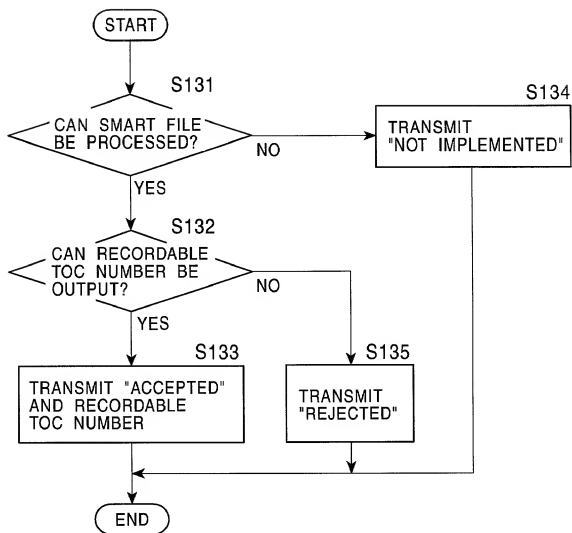


FIG. 46



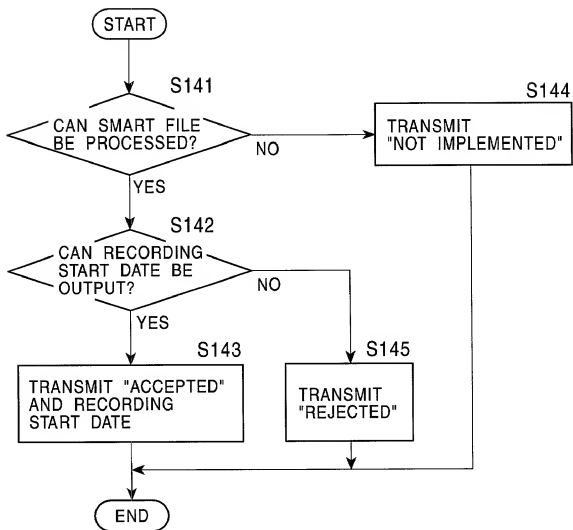
09727919-120100

FIG. 47



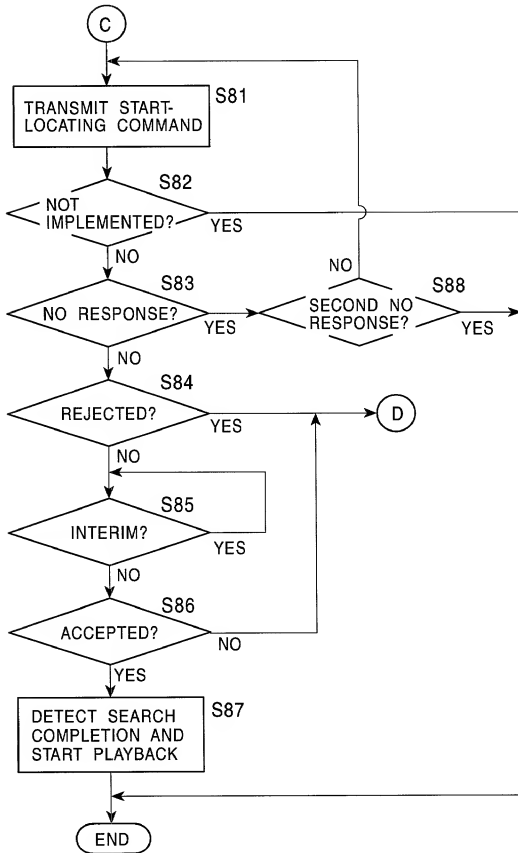
09727919.120100

FIG. 48



001021.6162260 09/27/91 12:01:00

FIG. 49



000021-016/22/60

FIG. 50

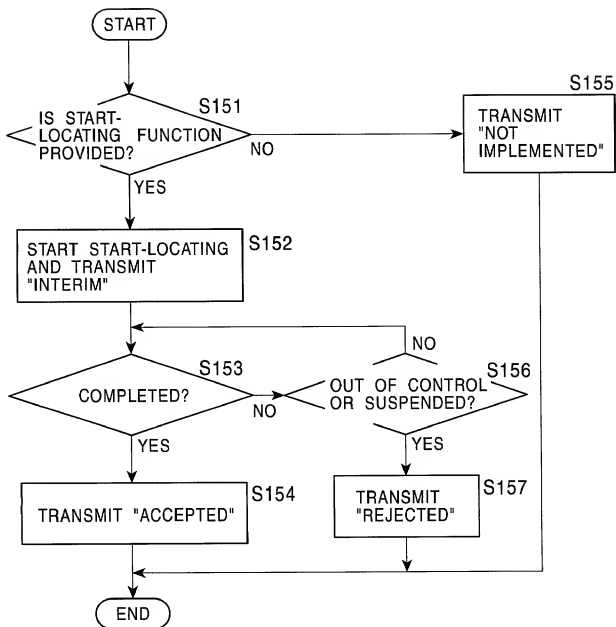


FIG. 51

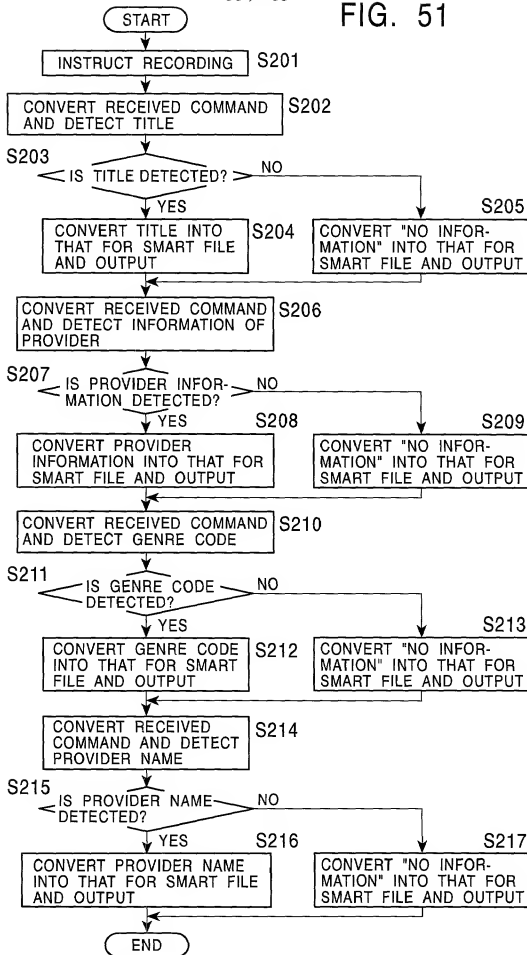


FIG. 52

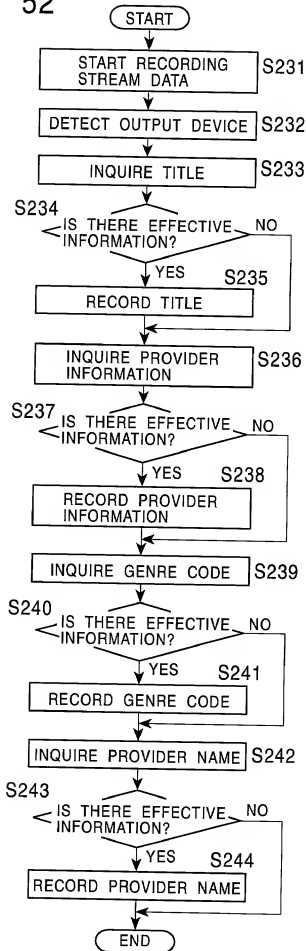


FIG. 53

